

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042898.D
 Acq On : 18 Sep 2019 17:33
 Operator : HP/JU
 Sample : K4863-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:13:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

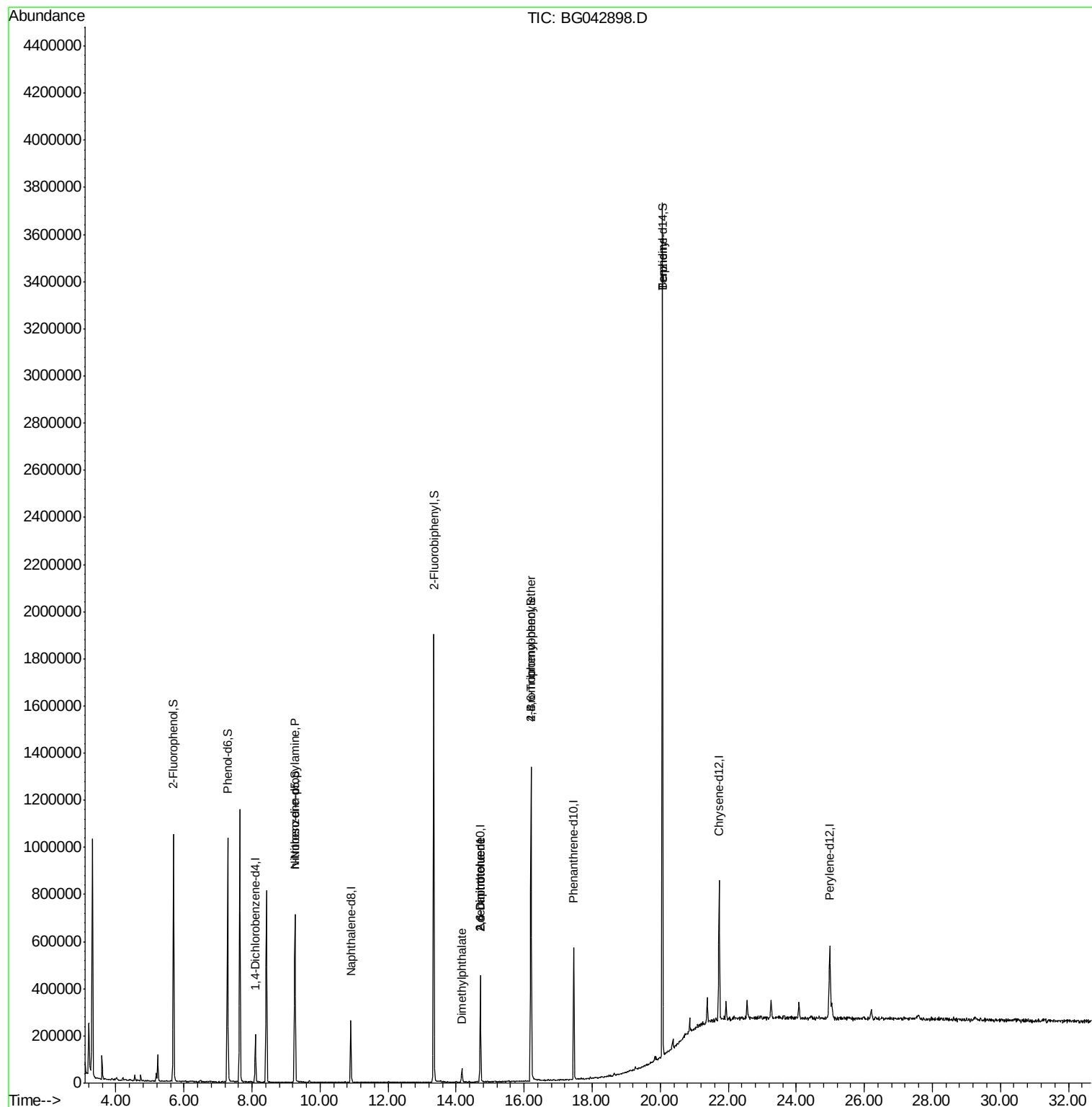
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54694	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	209927	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	157131	20.00	ng	-0.03
64) Phenanthrene-d10	17.45	188	369902	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	362804	20.00	ng	-0.03
87) Perylene-d12	24.99	264	379820	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	378767	120.40	ng	0.00
7) Phenol-d6	7.28	99	531438	117.69	ng	0.01
23) Nitrobenzene-d5	9.26	82	431500	107.01	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	267957	128.18	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	995507	100.29	ng	-0.03
79) Terphenyl-d14	20.07	244	1754733	107.19	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	62365	18.743	ng	# 76
50) Dimethylphthalate	14.17	163	41598	3.534	ng	# 99
51) 2,6-Dinitrotoluene	14.72	165	21633	8.957	ng	# 20
57) 2,4-Dinitrotoluene	14.72	165	21633	6.720	ng	# 24
67) 4-Bromophenyl-phenylether	16.20	248	17442	3.896	ng	# 1
77) Benzidine	20.07	184	32779	3.234	ng	# 93

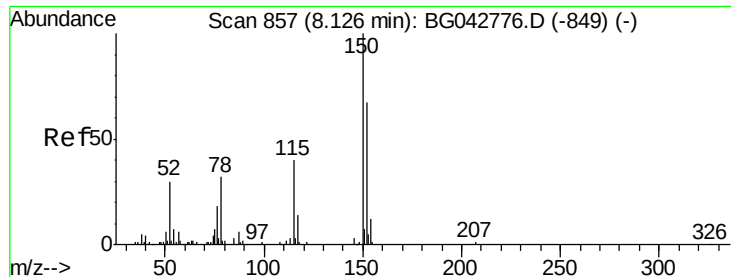
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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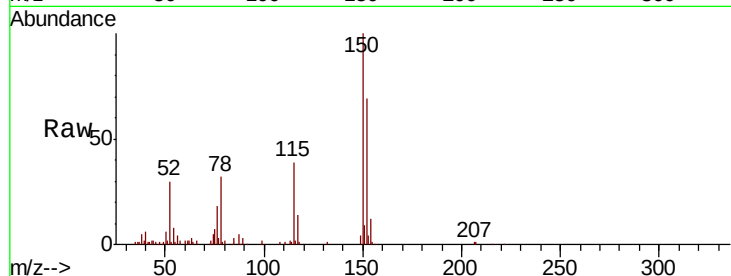


#1

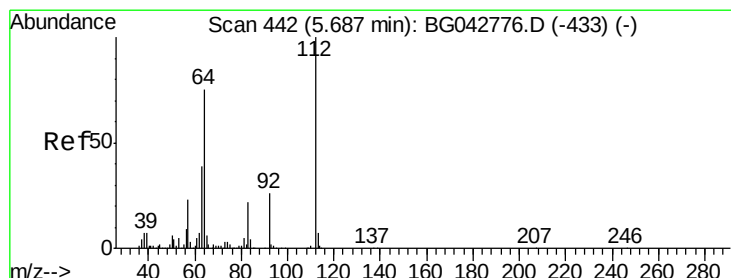
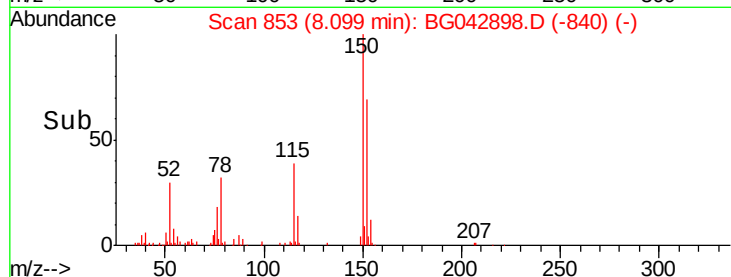
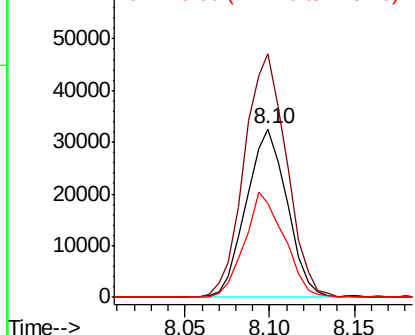
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54694
Ion Ratio Lower Upper
152 100
150 144.8 118.9 178.3
115 55.9 47.4 71.2



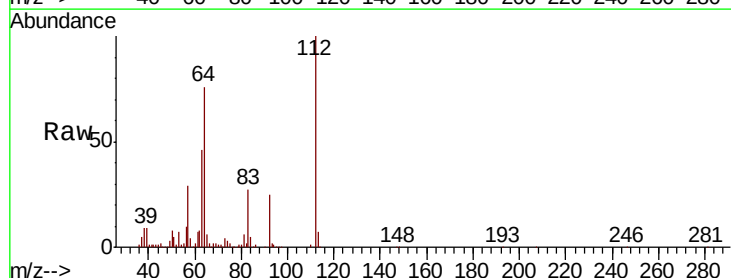
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



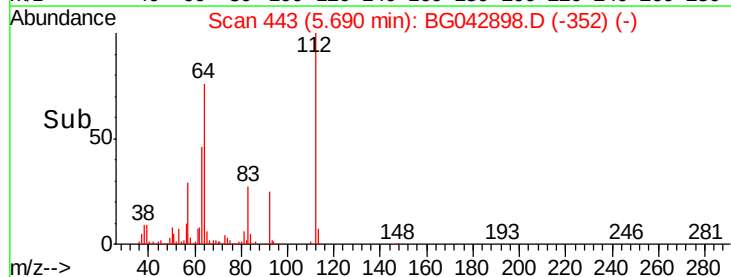
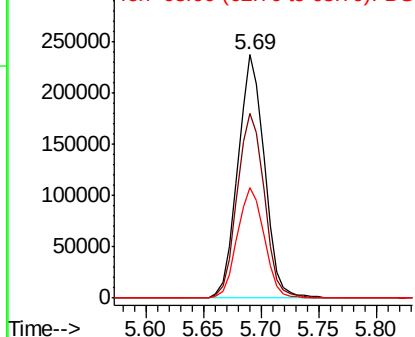
#5

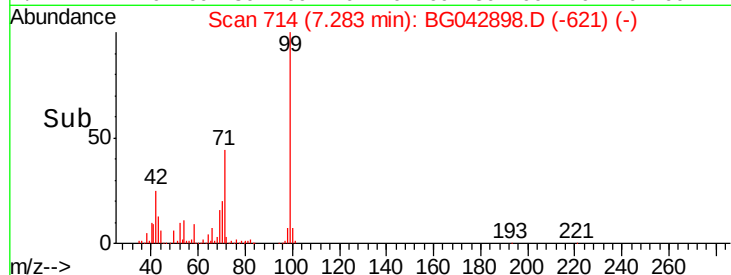
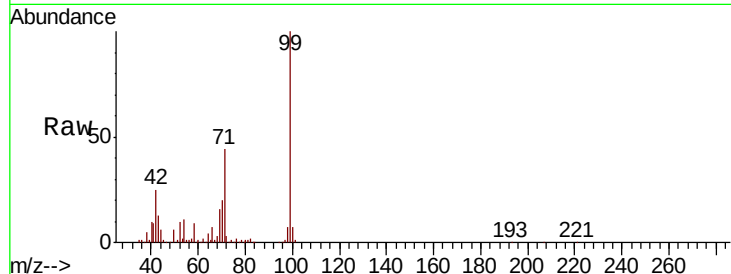
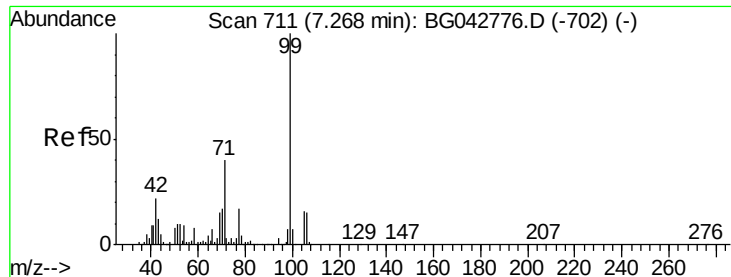
2-Fluorophenol
Concen: 120.398 ng
RT: 5.69 min Scan# 443
Delta R.T. 0.00 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

Tgt Ion:112 Resp: 378767
Ion Ratio Lower Upper
112 100
64 76.0 60.2 90.2
63 45.5 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG

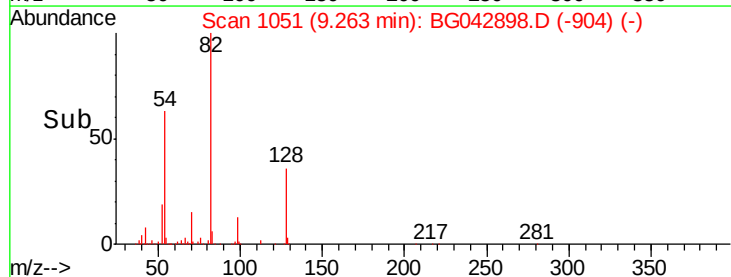
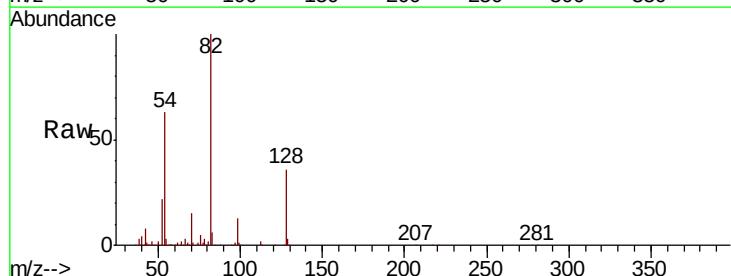
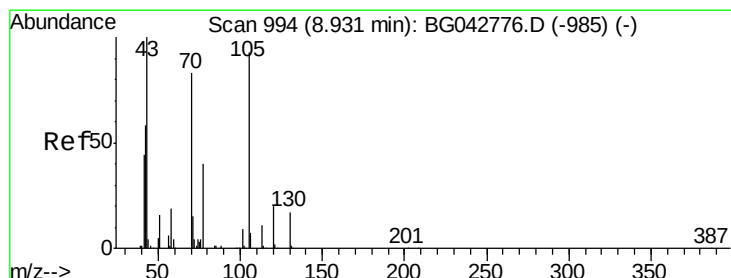
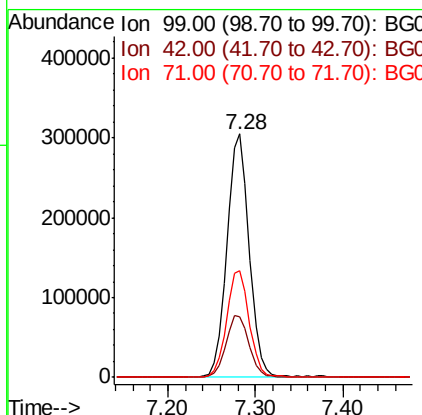




#7
Phenol-d6
Concen: 117.692 ng
RT: 7.28 min Scan# 714
Delta R.T. 0.01 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

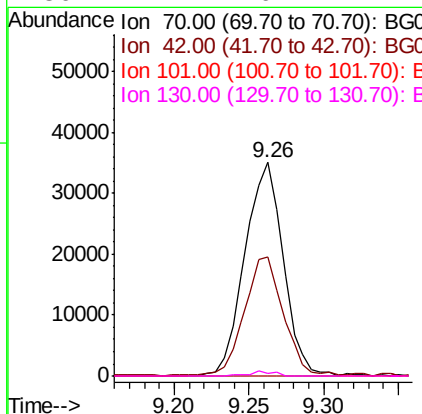
Instrument :
BNA_G
ClientSampleId :

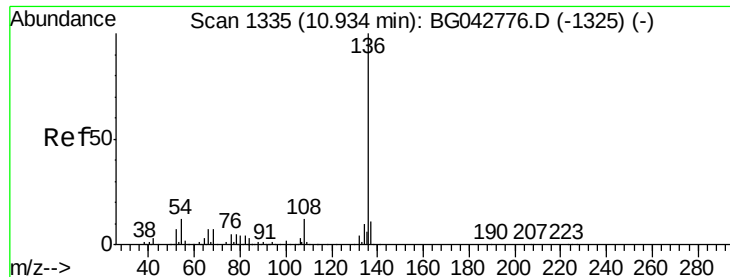
Tot Ion	Ratio	Lower	Upper
99	100		
42	24.9	17.5	26.3
71	43.7	32.0	48.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.743 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.33 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.9	57.0	85.6#
101	0.0	8.4	12.6#
130	1.4	16.1	24.1#

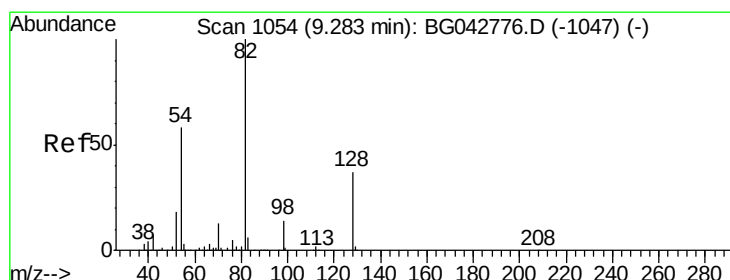
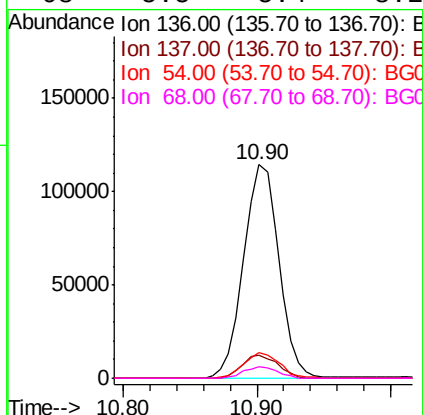
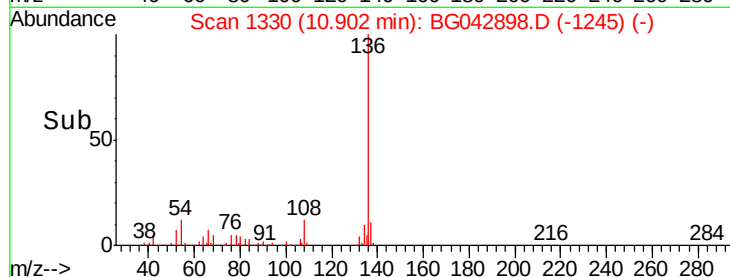
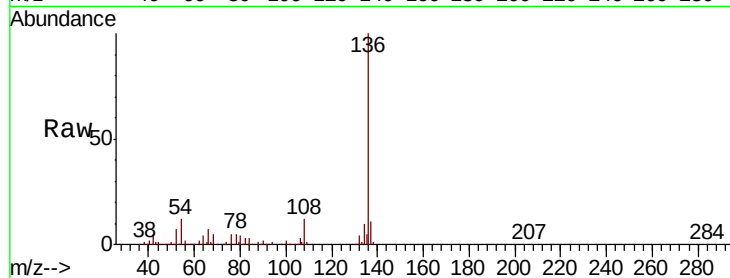




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

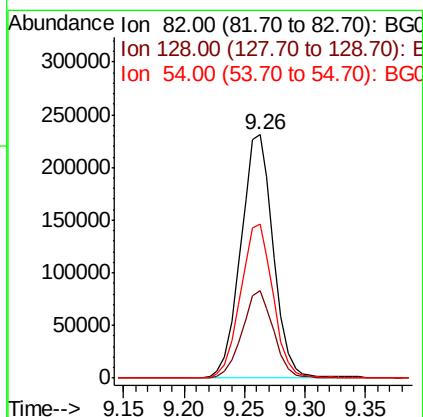
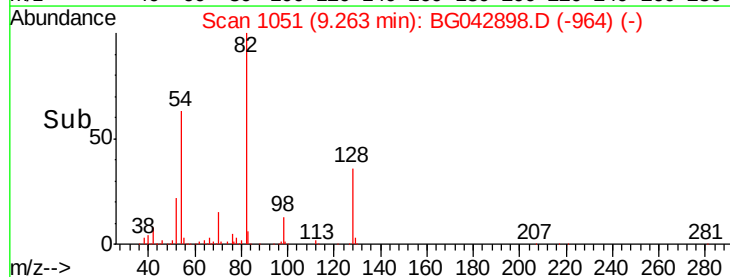
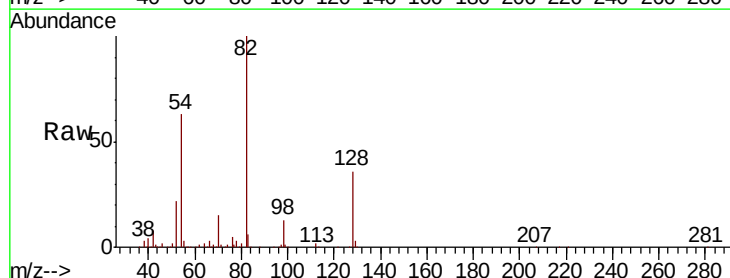
Instrument :
BNA_G
ClientSampleId :

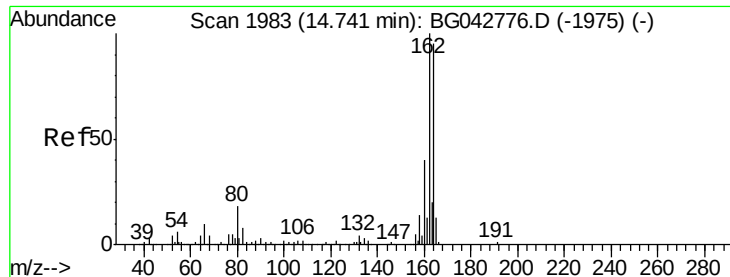
Tot Ion:136	Resp:	209927	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	9.0	13.6	
54 12.0	9.4	14.0	
68 5.5	5.4	8.2	



#23
Nitrobenzene-d5
Concen: 107.013 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BG042898.D
Acq: 18 Sep 2019 17:33

Tgt	Ion: 82	Resp:	431500
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.8	44.8
54	63.4	46.1	69.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampled :

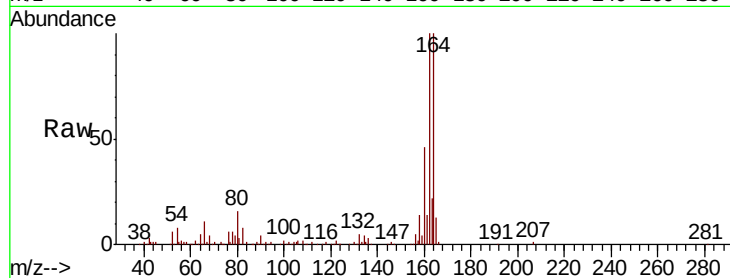
Tot Ion:164 Resp: 157131

Ion Ratio Lower Upper

164 100

162 99.8 84.6 126.8

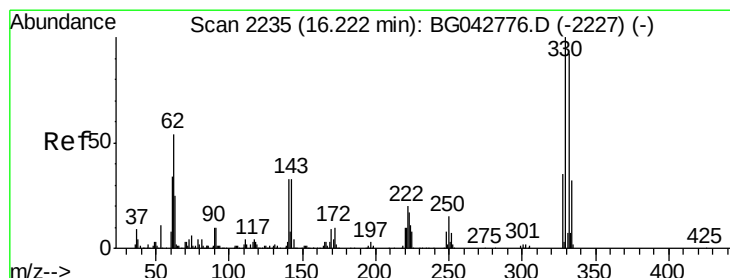
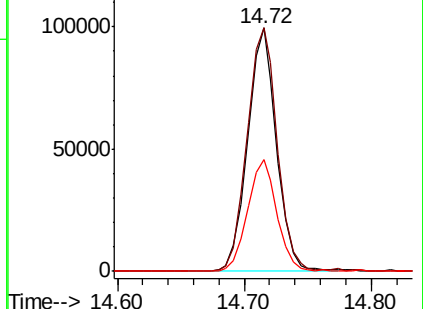
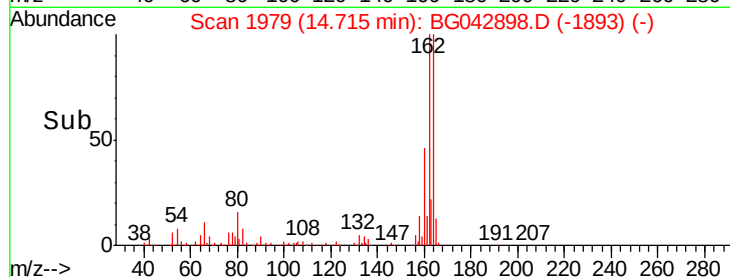
160 45.9 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 128.178 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

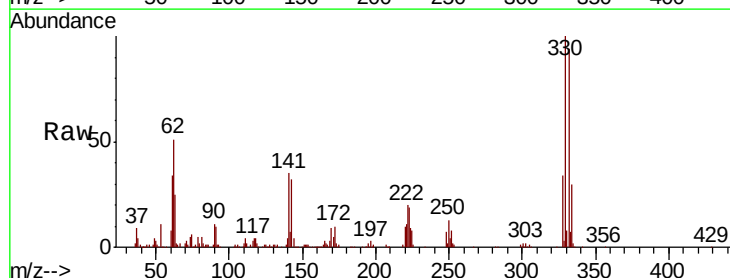
Tgt Ion:330 Resp: 267957

Ion Ratio Lower Upper

330 100

332 96.1 76.7 115.1

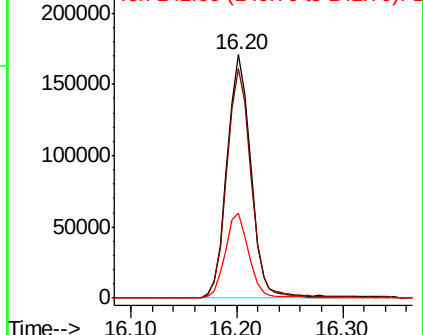
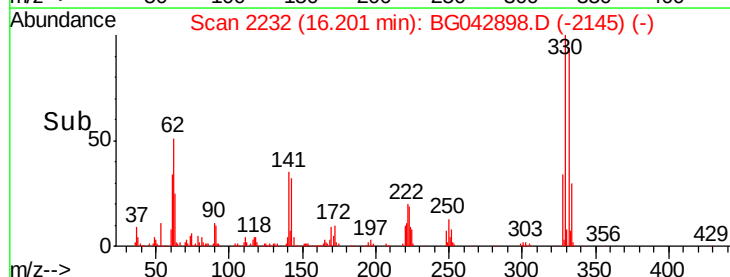
141 34.8 27.0 40.6

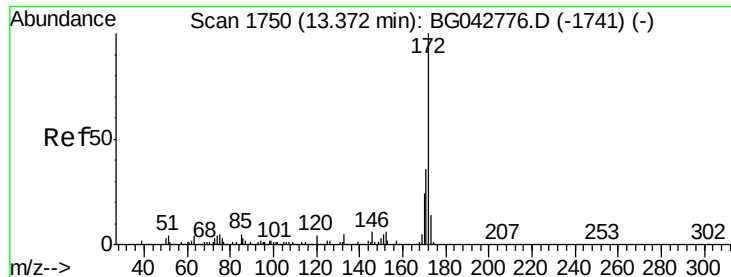


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 100.287 ng

RT: 13.34 min Scan# 1745

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

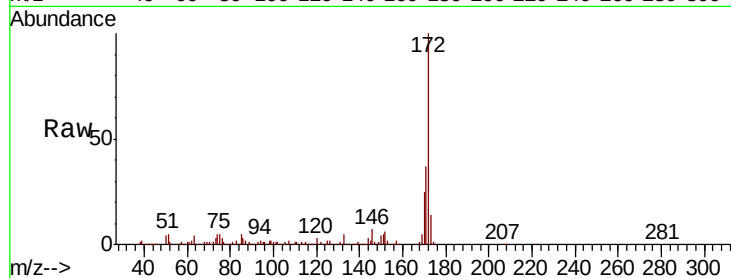
Tot Ion:172 Resp: 995507

Ion Ratio Lower Upper

172 100

171 36.7 28.9 43.3

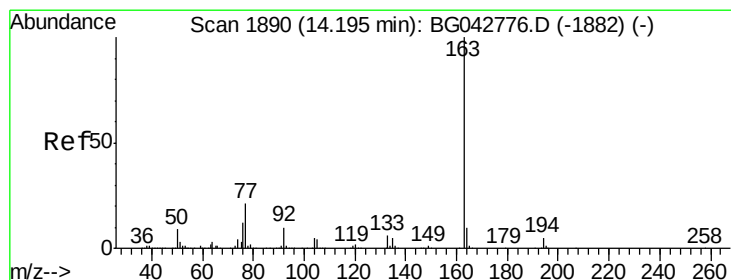
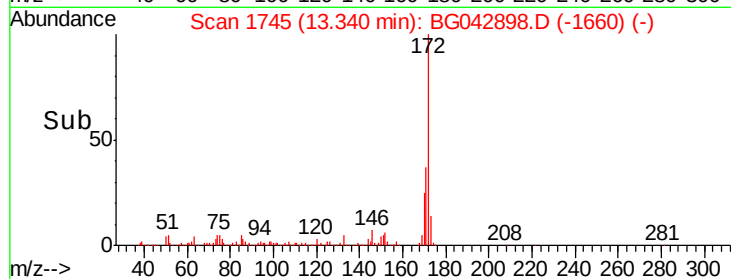
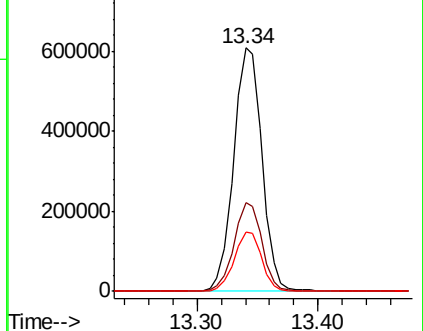
170 24.6 19.1 28.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 3.534 ng

RT: 14.17 min Scan# 1886

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

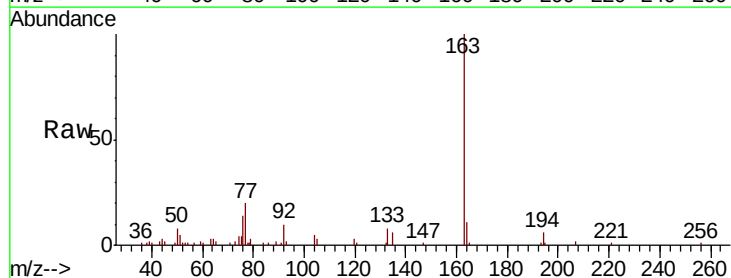
Tgt Ion:163 Resp: 41598

Ion Ratio Lower Upper

163 100

194 5.7 4.2 6.4

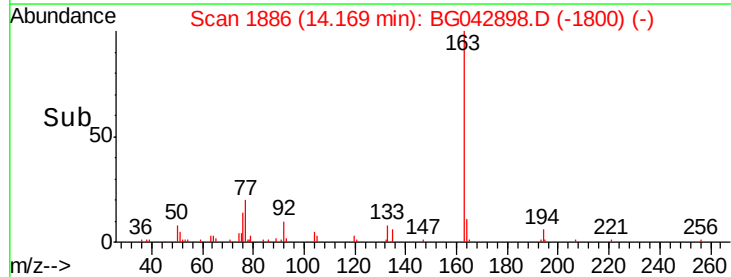
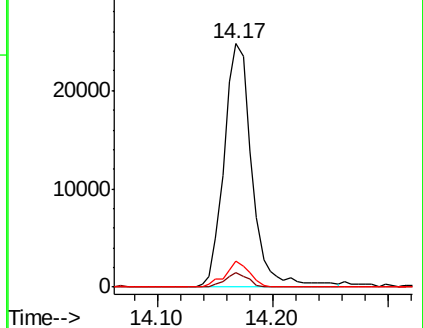
164 10.7 8.4 12.6

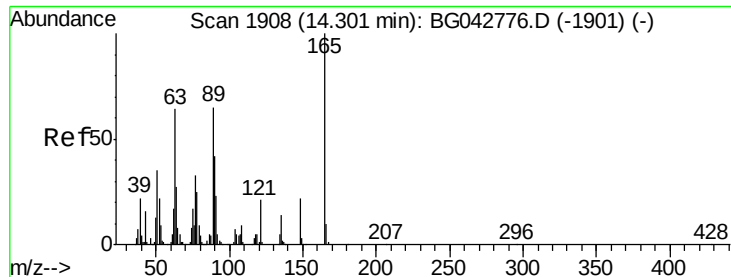


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.957 ng

RT: 14.72 min Scan# 1979

Delta R.T. 0.41 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

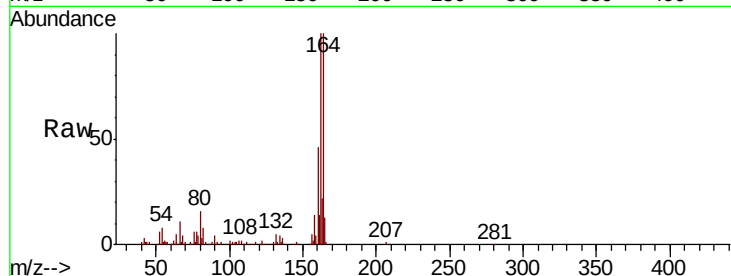
Tot Ion:165 Resp: 21633

Ion Ratio Lower Upper

165 100

63 2.8 52.1 78.1#

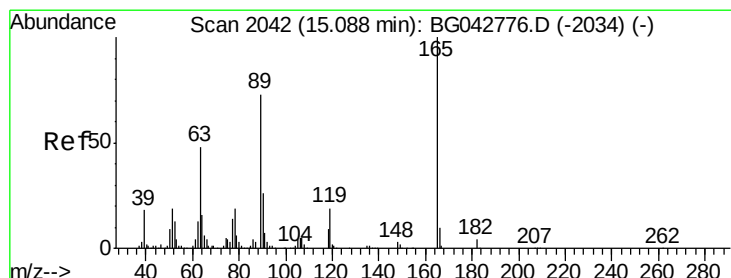
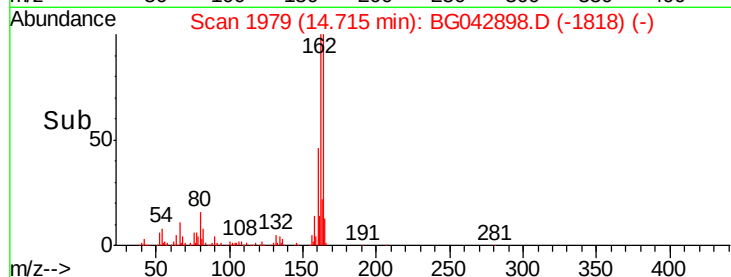
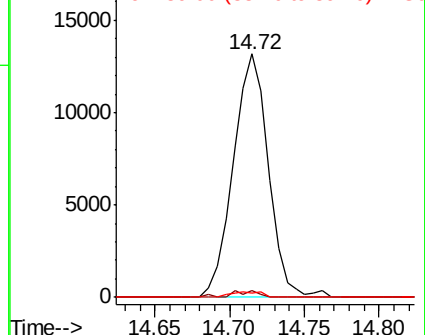
89 1.6 51.7 77.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 6.720 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Tgt Ion:165 Resp: 21633

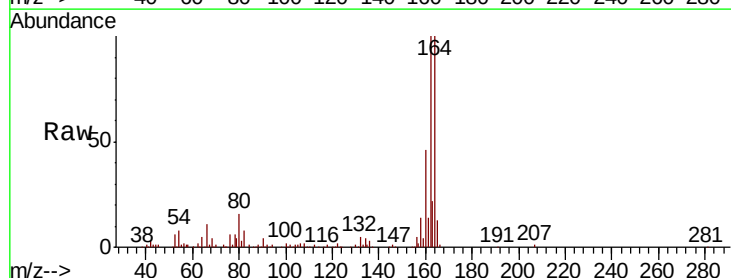
Ion Ratio Lower Upper

165 100

63 2.8 38.3 57.5#

89 1.6 58.4 87.6#

182 0.0 2.9 4.3#

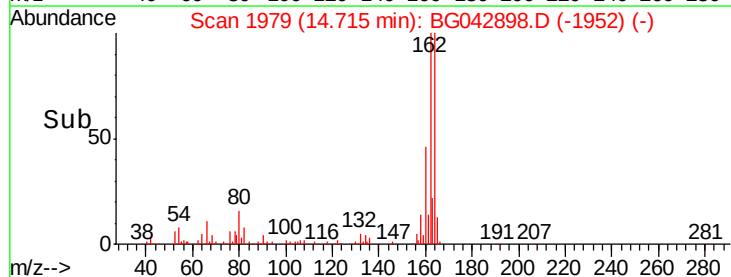
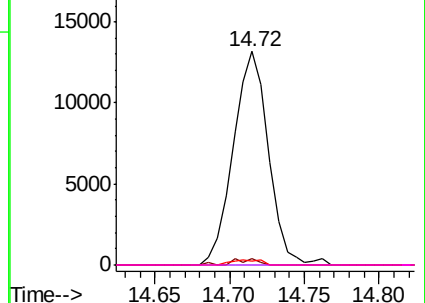


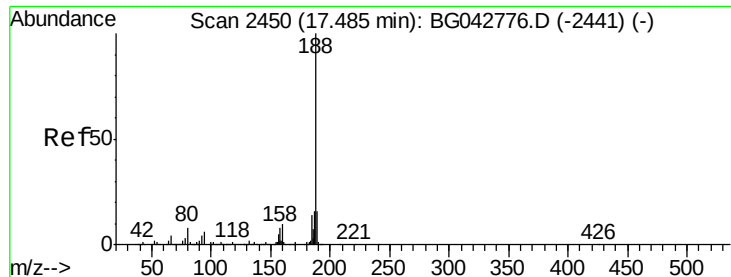
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

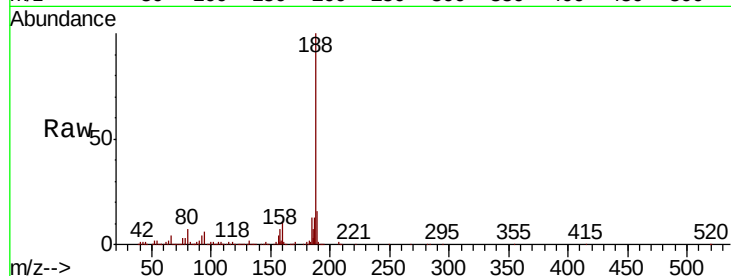
Tot Ion:188 Resp: 369902

Ion Ratio Lower Upper

188 100

94 5.8 4.8 7.2

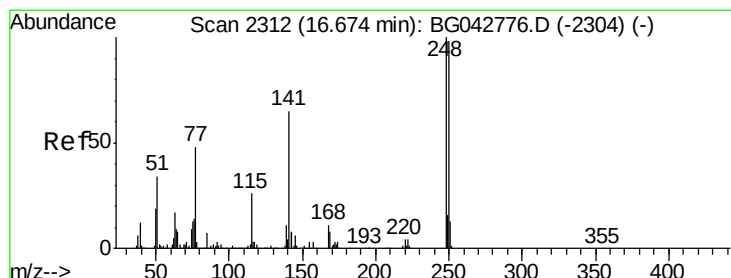
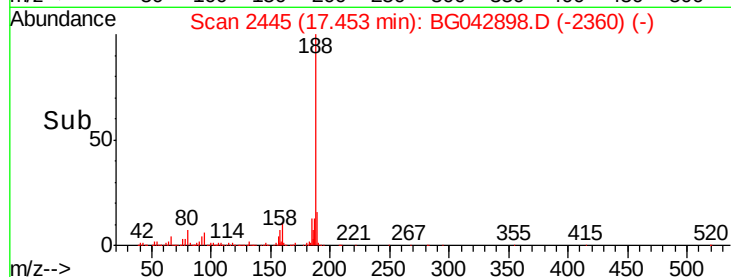
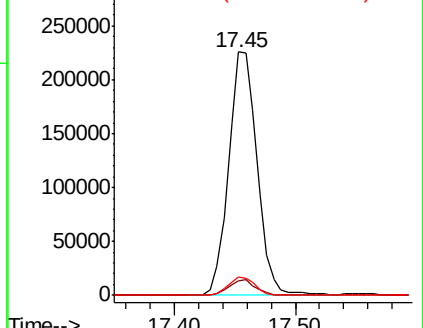
80 7.4 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.896 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.47 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

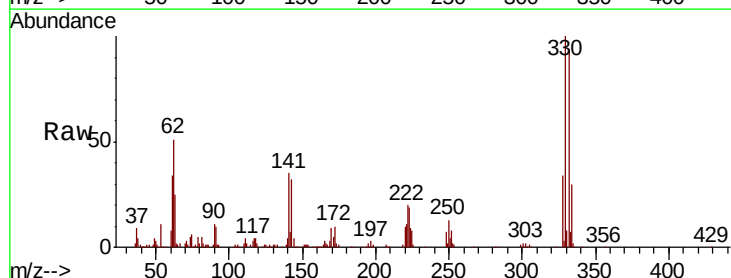
Tgt Ion:248 Resp: 17442

Ion Ratio Lower Upper

248 100

250 192.2 78.0 117.0#

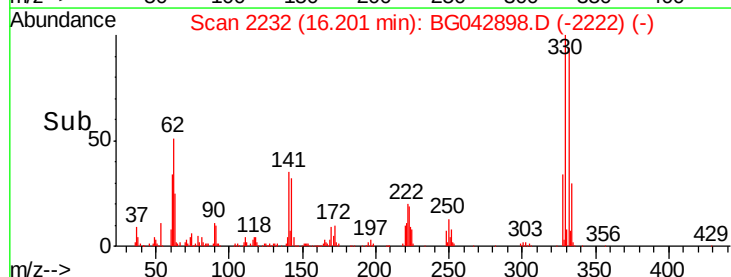
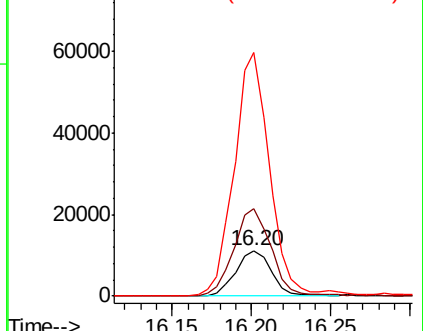
141 536.4 51.8 77.6#

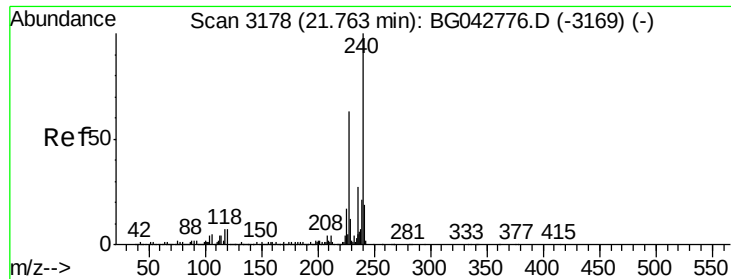


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampled :

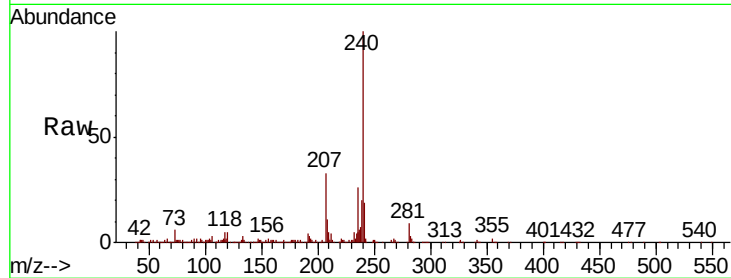
Tot Ion:240 Resp: 362804

Ion Ratio Lower Upper

240 100

120 5.4 5.4 8.2#

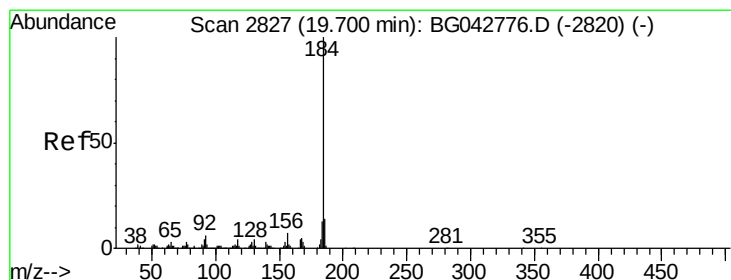
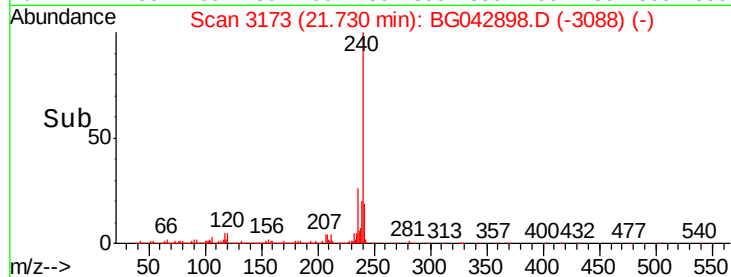
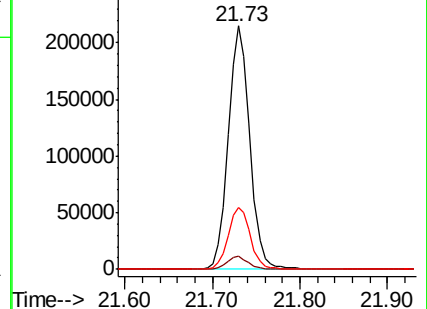
236 25.7 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 3.234 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.37 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

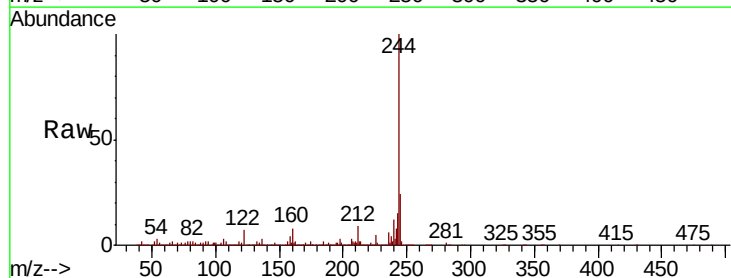
Tgt Ion:184 Resp: 32779

Ion Ratio Lower Upper

184 100

185 15.8 11.6 17.4

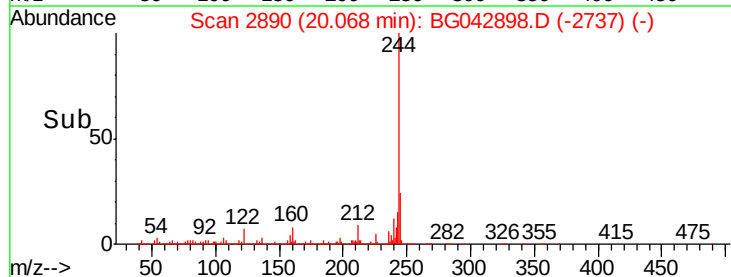
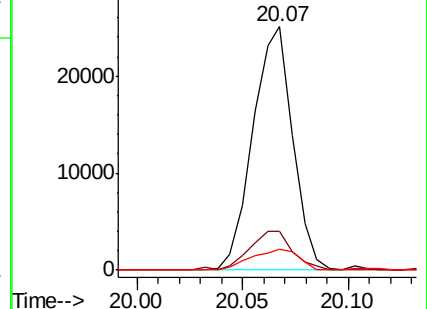
183 8.8 10.4 15.6#

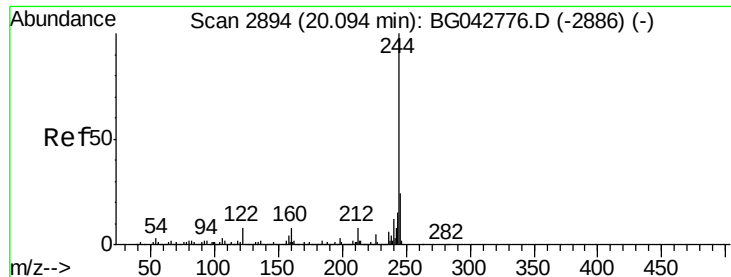


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.192 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.03 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

Instrument :

BNA_G

ClientSampleId :

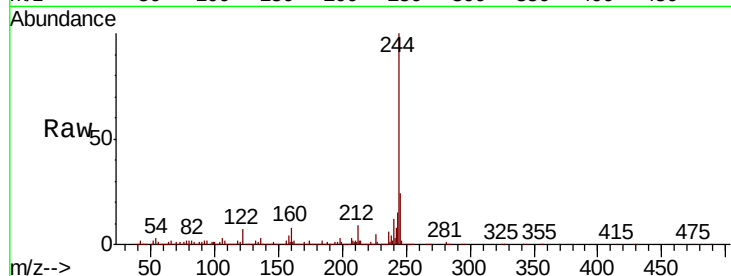
Tot Ion:244 Resp: 1754733

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

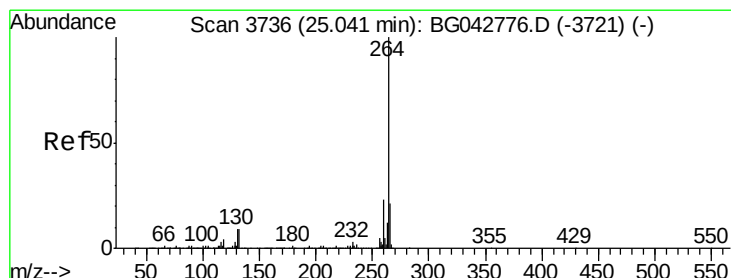
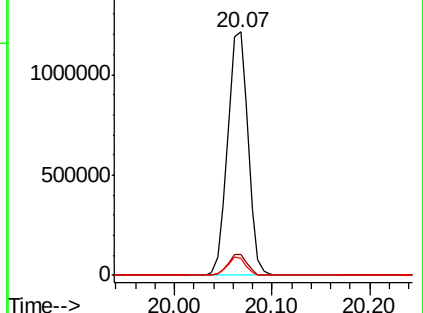
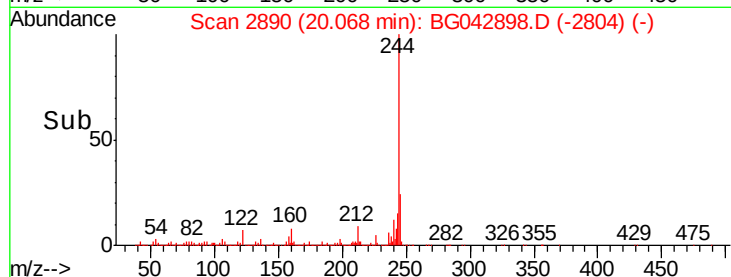
122 7.2 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG042898.D

Acq: 18 Sep 2019 17:33

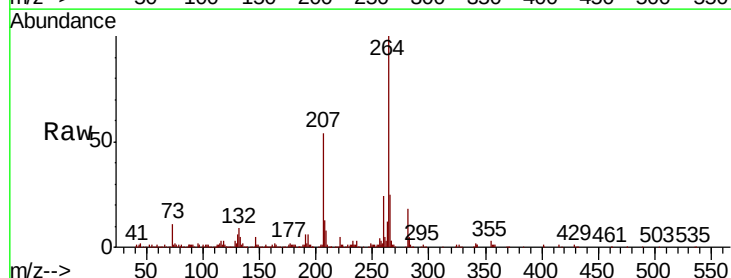
Tgt Ion:264 Resp: 379820

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 24.6 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

